



**MS21260M**  
w/Amendment 3

**TABLE I. Dash numbers and dimensions.**

Dash number		Wire rope diameter		Minimum breaking strength lb <u>1</u> /	Thread B UN-3A UNF-3A	ØA		ØAs		
		Nominal reference	Minimum							
RH thread	LH thread									
L2RH	L2LH	1/16	0.062	480	0.1380 (# 6)-40	0.160	+0.000 -0.005	0.138	+0.000 -0.005	
S2RH	S2LH							0.190		
L3RH	L3LH							0.219		
S3RH	S3LH	3/32	0.093	920	0.1900 (#10)-32	0.218		0.250		
L4RH	L4LH							0.313		
S4RH	S4LH							0.375		
L5RH	L5LH	1/8	0.125	2000	0.2500 (1/4)-28	0.250		0.438	+0.000 -0.007	
S5RH	S5LH							0.500		
L6RH	L6LH							0.563		
S6RH	S6LH	5/32	0.156	2800	0.3125 (5/16)-24	0.359		0.625		
-7RH	-7LH							0.688		
-8RH	-8LH							0.750		
-9RH	-9LH	3/16	0.187	4200	0.3750 (3/8)-24	0.427 0.494		+0.000 -0.010	0.875	+0.000 -0.009
-10RH	-10LH								1.000	
-12RH	-12LH								1.250	
-14RH	-14LH	7/32	0.218	5600	0.4375 (7/16)-20	0.494	1.437		+0.000 -0.012	
-16RH	-16LH						1.625			
-18RH	-18LH						1.812			
-20RH	-20LH	1/4	0.250	7000	0.5000 (1/2)-20	0.563	2.000			
-24RH	-24LH						2.250			
-28RH	-28LH						2.500			
-32RH	-32LH	9/32	0.281	8000	0.6250 (5/8)-18	0.688	2.750			
-36RH	-36LH						3.000			
-40RH	-40LH						3.250			
-44RH	-44LH	5/16	0.312	9800	0.7500 (3/4)-16	0.984	3.500			
-48RH	-48LH						3.750			
-52RH	-52LH						4.000			
-56RH	-56LH	3/8	0.375	14400	0.8750 (7/8)-14	1.109	4.250			
-60RH	-60LH						4.500			
-64RH	-60LH						4.750			
-68RH	-68LH	7/16	0.437	17600	1.0000 (1)-12	1.359	5.000			
-72RH	-72LH						5.250			
-76RH	-72LH						5.500			
-80RH	-80LH	1/2	0.500	22800	1.1250 (1 1/8)-12	1.593	5.750			
-84RH	-84LH						6.000			
-88RH	-84LH						6.250			
-92RH	-88LH	9/16	0.562	28500	1.2500 (1 1/4)-12	1.812	6.500			
-96RH	-88LH						6.750			
-100RH	-88LH						7.000			
-104RH	-96LH	5/8	0.625	35000	1.3750 (1 3/8)-12	2.187	7.250			
-108RH	-96LH						7.500			
-112RH	-96LH						7.750			
-116RH	-104LH	3/4	0.750	49600	1.5000 (1 1/2)-12	2.375	8.000			
-120RH	-104LH						8.250			
-124RH	-104LH						8.500			
-128RH	-108LH	7/8	0.875	66500	1.6250 (1 3/4)-12	2.500	8.750			
-132RH	-108LH						9.000			
-136RH	-108LH						9.250			
-140RH	-112LH	1	1.000	85400	1.7500 (1 3/4)-12	2.687	9.500			
-144RH	-112LH						9.750			
-148RH	-112LH						10.000			

1/ To achieve the minimum breaking strength, for the terminal test only, a galvanized carbon steel wire rope shall be used.

**TABLE I. Dash numbers and dimensions - Continued.**

Dash number		B <sub>1</sub>		ØC +0.006 -0.000	D	E	ØF	G		H							
RH thread	LH thread							Maximum	Minimum	Maximum	Minimum						
L2RH	L2LH	1.042	±0.063	0.092	0.188	0.156	0.188.	0.1139	0.1094	0.031	0.015						
S2RH	S2LH																
L3RH	L3LH											1.261	0.133	0.250	0.187	0.250	0.1638
S3RH	S3LH																
L4RH	L4LH	1.511		0.195	0.313	0.250	0.313	0.2224	0.2152								
S4RH	S4LH																
L5RH	L5LH									1.761		0.245	0.375	0.312	0.375	0.2830	0.2754
S5RH	S5LH																
L6RH	L6LH	2.011		0.306	0.438	0.375	0.438	0.3454	0.3378								
S6RH	S6LH																
-7RH	-7LH									2.261		0.361	0.625	0.563	0.625	0.4052	0.4072
-8RH	-8LH	2.511		0.406	0.688	0.625	0.688	0.4678	0.4597								
-9RH	-9LH																
-10RH	-10LH									3.011		0.538	0.812	0.750	0.812	0.5909	0.5826
-12RH	-12LH	3.511		0.654	1.000	0.875	1.000	0.7137	0.7050								
-14RH	-14LH																
-16RH	-16LH									4.698		0.893	1.438	1.125	1.438	0.9608	0.9516
-18RH	-18LH	5.011		1.002	1.625	1.438	1.625	1.0819	1.0772								
-20RH	-20LH																
-24RH	-24LH									6.511		1.250	2.125	1.875	2.125	1.3679	1.3582
-28RH	-28LH	7.166		1.375	2.500	2.125	2.500	1.5399	1.5302								
-32RH	-32LH		8.229								1.500						
-36RH	-36LH									9.292		1.625	3.250	2.875	3.250	1.9019	1.8922
-40RH	-40LH	10.355		1.750	3.625	3.250	3.625	2.0829	2.0732								
-44RH	-44LH		11.418								1.875						
-48RH	-48LH									12.481		2.000	4.375	4.000	4.375	2.4449	2.4352
-52RH	-52LH	13.544		2.125	4.750	4.375	4.750	2.6259	2.6162								
-56RH	-56LH		14.607								2.250						
-60RH	-60LH									15.670		2.375	5.500	5.125	5.500	2.9879	2.9782
-64RH	-64LH	16.733		2.500	5.875	5.500	5.875	3.1689	3.1592								
-68RH	-68LH		17.796								2.625						
-72RH	-72LH									18.859		2.750	6.625	6.250	6.625	3.5309	3.5212
-76RH	-76LH	19.922		2.875	7.000	6.625	7.000	3.7119	3.7022								
-80RH	-80LH		20.985								3.000						
-84RH	-84LH									22.048		3.125	7.750	7.375	7.750	4.0739	4.0642
-88RH	-88LH	23.111		3.250	8.125	7.750	8.125	4.2549	4.2452								
-92RH	-92LH		24.174								3.375						
-96RH	-96LH									25.237		3.500	8.875	8.500	8.875	4.6169	4.6072
-100RH	-100LH	26.300		3.625	9.250	8.875	9.250	4.7979	4.7882								
-104RH	-104LH		27.363								3.750						
-108RH	-108LH									28.426		3.875	10.000	9.625	10.000	5.1599	5.1502
-112RH	-112LH	29.489		4.000	10.375	9.625	10.375	5.3409	5.3312								
-116RH	-116LH		30.552								4.125						
-120RH	-120LH									31.615		4.250	11.125	10.375	11.125	5.7029	5.6932
-124RH	-124LH	32.678		4.375	11.500	10.750	11.500	5.8839	5.8742								
-128RH	-128LH		33.741								4.500						
-132RH	-132LH									34.804		4.625	12.250	11.500	12.250	6.2459	6.2362
-136RH	-136LH	35.867		4.750	12.625	11.875	12.625	6.4269	6.4172								
-140RH	-140LH		36.930								4.875						
-144RH	-144LH									37.993		5.000	13.375	12.625	13.375	6.7889	6.7792
-148RH	-148LH	39.056		5.125	13.750	13.000	13.750	6.9699	6.9592								
-152RH	-152LH		40.119								5.250						
-156RH	-156LH									41.182		5.375	14.500	13.750	14.500	7.3319	7.3222
-160RH	-160LH	42.245		5.500	14.875	14.125	14.875	7.5129	7.5032								
-164RH	-164LH		43.308								5.625						
-168RH	-168LH									44.371		5.750	15.625	14.875	15.625	7.8749	7.8652
-172RH	-172LH	45.434		5.875	16.000	15.250	16.000	8.0559	8.0462								
-176RH	-176LH		46.497								6.000						
-180RH	-180LH									47.560		6.125	16.750	16.000	16.750	8.4179	8.4082
-184RH	-184LH	48.623		6.250	17.125	16.375	17.125	8.5989	8.5892								
-188RH	-188LH		49.686								6.375						
-192RH	-192LH									50.749		6.500	17.875	17.125	17.875	8.9609	8.9512
-196RH	-196LH	51.812		6.625	18.250	17.500	18.250	9.1419	9.1322								
-200RH	-200LH		52.875								6.750						
-204RH	-204LH									53.938		6.875	19.000	18.250	19.000	9.5039	9.4932
-208RH	-208LH	54.001		7.000	19.375	18.625	19.375	9.6849	9.6752								
-212RH	-212LH		55.064								7.125						
-216RH	-216LH									56.127		7.250	20.125	19.375	20.125	10.0469	10.0372
-220RH	-220LH	57.190		7.375	20.500	19.750	20.500	10.2279	10.2182								
-224RH	-224LH		58.253								7.500						
-228RH	-228LH									59.316		7.625	21.250	20.500	21.250	10.5899	10.5782
-232RH	-232LH	60.379		7.750	21.625	20.875	21.625	10.7709	10.7582								
-236RH	-236LH		61.442								7.875						
-240RH	-240LH									62.505		8.000	22.375	21.625	22.375	11.1329	11.1182
-244RH	-244LH	63.568		8.125	22.750	22.000	22.750	11.3139	11.2982								
-248RH	-248LH		64.631								8.250						
-252RH	-252LH									65.694		8.375	23.500	22.750	23.500	11.6759	11.6582
-256RH	-256LH	66.757		8.500	23.875	23.125	23.875	11.8569	11.8382								
-260RH	-260LH		67.820								8.625						
-264RH	-264LH									68.883		8.750	24.625	23.875	24.625	12.2189	12.1982
-268RH	-268LH	69.946		8.875	25.000	24.250	25.000	12.3999	12.3782								
-272RH	-272LH		71.009								9.000						
-276RH	-276LH									72.072		9.125	25.750	25.000	25.750	12.7619	12.7382
-280RH	-280LH	73.135		9.250	26.125	25.375	26.125	12.9429	12.9182								
-284RH	-284LH		74.198								9.375						
-288RH	-288LH									75.261		9.500	26.875	26.125	26.875	13.3049	13.2782
-292RH	-292LH	76.324		9.625	27.250	26.500	27.250	13.4859	13.4582								
-296RH	-296LH		77.387								9.750						
-300RH	-300LH									78.450		9.875	28.000	27.250	28.000	13.8479	13.8182
-304RH	-304LH	79.513		10.000	28.375	27.625	28.375	14.0289	14.0082								
-308RH	-308LH		80.576								10.125						
-312RH	-312LH									81.639		10.250	29.125	28.375	29.125	14.3909	14.3682
-316RH	-316LH	82.702		10.375	29.500	28.750	29.500	14.5719	14.5482								
-320RH	-320LH		83.765								10.500						
-324RH	-324LH									84.828		10.625	30.250	29.500	30.250	14.9339	14.9082
-328RH	-328LH	85.891		10.750	30.625	29.875	30.625	15.1149	15.0882								
-332RH	-332LH		86.954								10.875						
-336RH	-336LH									88.017		11.000	31.375	30.625	31.375	15.4769	15.4482
-340RH	-340LH	89.080		11.125	31.750	31.000	31.750	15.6579	15.6282								
-344RH	-344LH		90.143								11.250						
-348RH	-348LH									91.206		11.375	32.500	31.750	32.500	16.0199	15.9882
-352RH	-352LH	92.269		11.500	32.875	32.125	32.875	16.2009	16.1682								
-356RH	-356LH		93.332								11.625						
-360RH	-360LH									94.395		11.750	33.625	32.875	33.625	16.5629	16.5282
-364RH	-364LH	95.458		11.875	34.000	33.250	34.000	16.7439	16.7082								
-368RH	-368LH		96.521								12.000						
-372RH	-372LH									97.584		12.125	34.750	34.000	34.750		

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TABLE I. Dash numbers and dimensions - Continued.

Dash number	L ±0.063	Ls reference	ØM		ØN		P		Q +0.031 -0.016	S +0.062 -0.000	ØT	
L2	3.491	3.67	0.090	+0.010 -0.000	0.078	+0.005 -0.000	1.042	+0.031 -0.000	1.319	0.969	0.138	+0.000 -0.005
S2	2.616	2.79			0.109		1.261		1.581	1.188	0.190	
L3	3.738	3.86	0.119		0.141		1.511		1.863	1.438	0.219	
S3	2.863	2.98										
L4	4.020	4.28	0.154		0.172		1.761		2.157	1.688	0.250	
S4	3.145	3.40										
L5	4.314	4.66	0.188		0.203		2.011		2.455	1.938	0.313	
S5	3.439	3.78										
L6	4.612	4.78	0.223		0.234		2.261		2.757	2.188	0.375	
S6	3.737	3.90										
-7	4.914	5.21	0.257	0.265	2.511	3.061	2.438	0.438	+0.000 -0.007			
-8	5.218	5.52	0.291	0.297	2.761	3.385	2.688	0.500	+0.000 -0.008			
-9	5.542	5.90	0.326	0.328	3.011	3.718	2.938	0.563				
-10	5.875	6.30	0.360	+0.012 -0.000	0.390	+0.008 -0.000	3.511	+0.047 -0.000	4.281	3.438	0.625	
-12	6.608	7.01	0.430		0.468	4.011	4.812		3.938	0.688		
-14	7.468	7.94	0.514		0.531	+0.009 -0.000	4.698		5.562	4.625	0.750	+0.000 -0.009
-16	8.718	9.28	0.584		0.594	5.011	6.000		4.938	0.875		
-18	9.188	9.78	0.653		0.656	+0.010 -0.000	5.511	6.750	5.438	1.000	+0.000 -0.010	
-20	10.469	11.16	0.722									
-24	12.188	12.76	0.860	+0.015 -0.000	0.781	+0.012 -0.000	6.511	+0.062 -0.000	7.938	6.438	1.250	+0.000 -0.012
-28	12.851	13.61	1.013		0.921		7.166		8.601	7.094	1.437	
-32	14.624	15.53	1.151		1.046		8.229		9.844	8.156	1.625	

TABLE I. Dash numbers and dimensions - Continued.

Dash number	ØU reference	ØV ±0.005	W ±0.016	X	Y ±0.047 2/	Z	ØBB	
				Minimum		Minimum		
L2	0.094	0.063	1.174	0.70	0.375	0.03	0.008 (0.016 FIM)	
S2								
L3			1.411	0.80	0.500			
S3								
L4	0.125	0.098	1.682	1.05	0.563			
S4								
L5			1.958	1.29	0.625			
S5								
L6			2.237	1.31	0.750			
S6								
-7			2.518	1.55	0.875			
-8			2.784	1.70				
-9			3.076	1.89	1.000			
-10			3.326	2.06				
-12	3.828	3.12	1.125					
-14	4.375	3.57	1.250					
-16	5.093	4.31						
-18	0.188	0.125	5.468	4.51	1.500		0.010 (0.020 FIM)	
-20			6.093	5.04	1.750			
-24			7.188	5.80	2.000			
-28			7.846	6.31				
-32			9.000	7.26	2.250		0.015 (0.030 FIM)	
							0.020 (0.040 FIM)	

2/ Includes last full thread engagement.

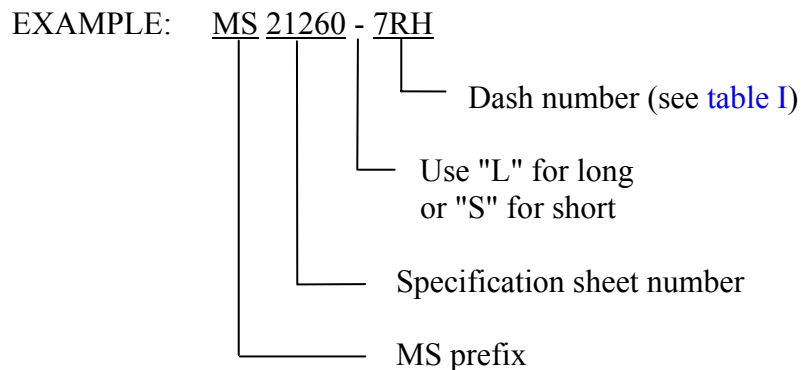
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REQUIREMENTS:

1. Material: Material shall be in accordance with MIL-DTL-781
2. Finish: Finish shall be in accordance with MIL-DTL-781.
3. Threads: Threads shall be in accordance with FED-STD-H28/20.
4. Swage: Swage shall be in accordance with MIL-DTL-6117.
5. Tolerances: Unless otherwise specified, tolerances: decimals  $\pm 0.010$ , angles  $\pm 3^\circ$ .

NOTES:

1. The part or identifying number (PIN) to be used for terminals acquired to this specification is created as shown below. An "L" in lieu of dash indicates long; an "S" in lieu of a dash indicates short. The two letters following the dash number or letters "L" or "R" indicates direction of thread (left or right hand).



MS21260L2RH Indicates - Terminal, 0.1380 (#6)-40 right hand thread, long.  
MS21260-7RH Indicates - Terminal, 0.3750 (3/8)-24 right hand thread.

2. Dimensions are in inches.
3. Remove burrs and sharp edges. (See MIL-DTL-781.)
4. Interpret drawing in accordance with ASME Y14.5M.
5. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence.
6. Unless otherwise specified, issues of reference documents are those in effect at the time of solicitation.

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7. Interchangeability relationship: MS21260 parts can universally replace the canceled AN669 and NAS650 parts identified by the same dash number; but the canceled AN669 and NAS650 parts cannot replace the superseding MS21260 parts. MS21260 corrosion resistant steel parts can universally replace the canceled carbon and alloy steel parts identified by the same dash number.

8. Carbon and alloy steel parts are inactive for new design.

9. Cutter radius mark, which is used as a clip slot alignment indicator, must be present on this surface.

10. During fabrication of the clip slot groove, operation of the cutter shall be maintained for the length of the terminal shank until engagement of the wrenching shoulder surface occurs (see [note 9](#)). Depending upon the part tolerance conditions, the cutter radius marks may or may not appear on shank surface and shall not be cause for rejection.

11. Locking clip slot (dimension G) is optional for sizes -12 and above.

AMENDMENT ANNOTATIONS: The margins of this specification are marked with vertical lines to indicate where modifications from this amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Custodians:

Army - AR  
Navy - AS  
Air Force - 99

Preparing Activity:

DLA - GS5

(Project 1640-2008-001)

Review Activities:

Army - CR4  
Navy - MC  
Air Force - 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST database at <http://assist.daps.dla.mil/>.